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# User Manual

<b>Product Name:</b>	<b>Bluetooth Speakerphone</b>
<b>Product Model.</b>	<b>BT-02A2</b>
<b>Customer</b>	
<b>Document version</b>	<b>V1.0</b>

<b>Product Development Department</b>	<b>DATE</b>
<b>Prepared By:</b>	2006-07-28
<b>Approved By:</b>	2006-07-28

## DOCUMENT CHANGE HISTORY

Version	Date	Person	Remarks
Draft V0.1	2006-05-31	yuanshun	
V1.0	2006-07-28	yuanshun	First release

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two  conditions: (1) this device may not cause harmful interference, and (2) this device must accept any  interference received, including interference that may cause undesired operation.

Notice : The changes or modifications not expressly approved by the party responsible for  compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no  change to the antenna or the device is permitted. Any change to the antenna or the device could  result in the device exceeding the RF exposure requirements and void user's authority to operate  the device.

## 1. Product Features:

This versatile Bluetooth speakerphone is specially designed for user to enjoy convenience and freedom of wireless Communication. Dual capacity of use on desk-top like a Conference Speakerphone and in-car like a Hands-Free Car kit. Unique Privacy Handset/Mute control button allows user to use this kit like a normal handset for private Communication purpose. Advanced built-In Dual-Mic.(BEAM FOAMING) with D.S.P. solution for Echo Cancellation & Noise Suppression gives you impeccable full duplex sound quality you've never dreamed of.

## 2. Product Specifications:

- Bluetooth compliance: Bluetooth v1.2
- Supports Headset and Handsfree profiles.
- Output Power: Class 2 device.
- Operating range: Up to 10m.
- Operating frequency: 2.402GHz~2.480GHz.
- Support Multiple paired. (Up to 8 Bluetooth Phone can be paired).
- Up to 10 hours talk time and 500 hours standby time.
- Charger time: 2 hours.
- Charger in Voltage: DC 5V 400mA.
- Battery Type: BL-5B 820mA
- Size: L 126 \* W 47 \* H 16 mm
- Weight: 80g

## 3. Product Appearance:



## 4. Button Functionality:

Buttons	Functions Description
“MFB” Button	Power ON/OFF Pairing Answering Call/End Call/Cancel Call Reject Call Voice Dial Last No. Redial
“Volume” Buttons	Volume adjustment Transfer Call Restore to Factory Default Setting
“Mode” Button	Privacy Handset switch
Passkey Code	0000

## 5. Operating Functionality

### Turning On/Off the Speakerphone

**Turning On:** Speakerphone is under off mode: Press and hold the MFB for 3 seconds until you hear a short beep. The LED will flash blue for 3 seconds.

**Turning Off:** Speakerphone is under standby mode: Press and hold the MFB for 3 seconds until you hear a long beep. The LED will flash red for 3 seconds.

**IMPORTANT:** Press the MFB again each time you turn on the speakerphone to react the paring so that the connection in between the speakerphone and paired mobile handset is resumed.

### Pairing to Phone:

Prior to using the speakerphone for the first time, you must pair it with a Bluetooth-enabled mobile handset.

The following steps describes pairing instruction for a typical Bluetooth-enabled mobile handset.

- (a) Place the speakerphone and mobile handset no more than 1 meter apart.
- (b) Ensure the speakerphone is under OFF mode.
- (c) Press and hold the MFB for 6 seconds until you hear a long beep. The LED will flash red and blue alternatively. It's now ready for pairing.
- (d) Activate your mobile handset's Bluetooth function by referring to your mobile handset user guide for details. Mean while, the handset will search for accessible Bluetooth devices.
- (e) Select "BT-02A2" from the list.
- (f) Enter the pre-programmed passkey "0000" and press "OK" to pair the speakerphone and the handset. When pairing is completed, you may hear a long beep and LED will flash blue 3 times. Now the speakerphone is under standby mode with LED flashes blue every 3 seconds.
- (g) Press "Return" to go back to your handset's main menu. (For most of the mobile handset models, a headset icon will be shown on the screen.) You should now be able to make and receive calls through the speakerphone. Please place the mobile handset to the speakerphone no more than 10 meters. (Obstruction could cause shorter sensing distance.)

**IMPORTANT:** Under the pairing mode, if the pairing cannot be completed within 2 minutes, the speakerphone's LED will flash off and speakerphone will be under off mode. Please repeat step (c) to (g) to pair the speakerphone and mobile handset again.

### Connection/Link between Speakerphone and Mobile Handset:

After pairing is completed, speakerphone is always under standby mode. Before you place or answer a call, if the headset ICON is not shown on phone screen, please follow the simple steps to activate the Bluetooth connection/link through your handset or speakerphone until the headset ICON is on the screen.

- (a) On Handset: Select "BT-02A2" from the paired list on your handset screen.
- (b) On Speakerphone: Short press MFB and select "Accept" on handset screen to accept connection.

**IMPORTANT:** Whenever Bluetooth connection/link is removed, for example: power off on speakerphone/mobile handset or out of 10 meter sensing distance, please activate connection/link as suggested.

### Disconnection between Speakerphone and Mobile Handset:

You may connect your speakerphone with another Bluetooth handset. Please follow the simple steps to disconnect the speakerphone with the pre-paired handset.

- (a) Power off the speakerphone.
- (b) Select "disconnecting" to remove previous connection from your handset list.

## Using the Speakerphone

Once pairing is completed, you may access the following functions. Some of the below-mentioned function is only accessible for handsets supported with Hands-Free Profile.

**(a) Answering a Call:**

To answer a call, wait for the speakerphone to ring, then short press the MFB to accept the call or answer the call via your mobile handset in the normal way.

**(b) Ending a Call:**

Short press the MFB, to end your call or end the call via your mobile handset in the normal way. Mean while you can hear a short beep from the speaker.

**(c) Reject a Call:**

When you hear the ringing tone, press and hold the MFB for 3 seconds until you hear a short beep.

**(d) Voice Dialing:**

If your mobile handset is voice dialing enabled, under standby mode, press the MFB and when you hear a beep, say the voice tag.

**IMPORTANT:** Please make sure to record voice tag into the mobile handset before using voice dialing function. This function is only applicable to mobile handset with Bluetooth Hands-Free Profile. Because of variation of different phone, some of the phones, you may not hear the beep. Please refer to your mobile handset user guide for additional information.

**(e) Last Number Re-Dialing:**

Under standby mode, short press MFB twice for last number redial.

**(f) Privacy Handset:**

During conversation in progress, press the "MODE" button. Speaker and mic volume will be decrease with LED flash blue. You may now use the speakerphone as a normal handset.

**(g) Adjusting the Volume:**

During conversation in progress, press the volume button repeatedly until you reach the desired volume level.

**(h) Mute & Un-mute:**

To mute the speakerphone, press the "MODE" button for 3 seconds. Mean while, the LED flashes red. To un-mute the speakerphone, press button again.

**(i) Call Inter-Changing:**

(1)Speakerphone to Handset: : During conversation in progress, press and hold the V+ & V- simultaneously.

(2)Handset to Speakerphone : Press the MFB.

## Restore to Default-Remove Previous Pairing & Connection

You may want to reset the speakerphone to its original settings and clear the previous pairing. Please follow these simple steps.

(a) Ensure the speakerphone is under standby mode.

(b) Press and hold the volume increase & decrease buttons simultaneously for 10 sec. until LED flashes blue & red alternatively. Release the buttons.

(c) Again, press and hold the volume increase & decrease buttons simultaneously for 2 sec. until speakerphone emits 2 short beeps. The speakerphone will be powered off and back to default setting.

(d) After defaulting, if speakerphone is power on again, the LED will flash red every 3 seconds and speakerphone will emit 3 beeps every 1minute. Then, the speakerphone will be powered off within 2 minutes. This is normal. The speakerphone will be back to normal after completion of pairing with Bluetooth devices.

**LED Indication:**

<b>Speakerphone Status</b>	<b>Red LED</b>	<b>Blue LED</b>	<b>Sound</b>
<b>Off Mode</b>	Off	Off	
<b>Power On</b>		On for 3 sec.	Short beep
<b>Power Off</b>	On for 3 sec.		Long beep
<b>Standby - before Pairing</b>	Flash on every 3 sec.		3 beeps every one minute
<b>Standby - after Pairing</b>		Flash on every 3 sec.	
<b>Standby - Low Voltage</b>	Flash on every 3 sec.		3 beeps every one minute
<b>Talking in Progress</b>		Flash on every 15 sec	
<b>Pairing in Progress</b>	Flash on alternatively		
<b>Pairing Completed</b>		Flash on every 3 sec.	Long beep
<b>Mute</b>	Steady on		
<b>Private Handset</b>		Steady on	
<b>Charging in Progress</b>	Steady on		
<b>Charging Completed</b>	Off	Off	